Notes

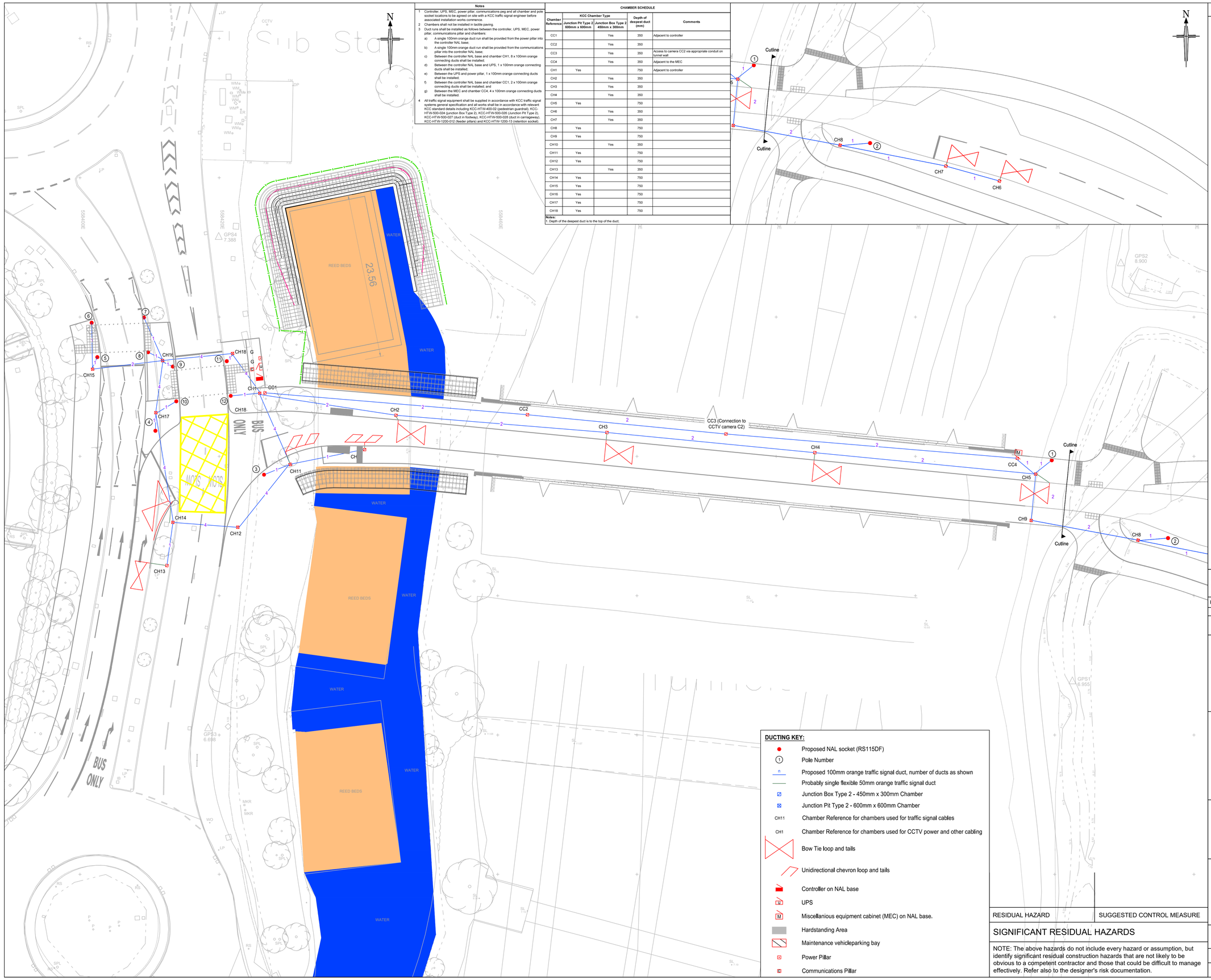
1 Controller, UPS, MEC, power pillar, communications peg and all chamber and pole socket locations to be agreed on site with a KCC traffic signal engineer before associated installation works commence.
2 Chambers shall not be installed in tactile paving.
3 Duct runs shall be installed as follows between the controller, UPS, MEC, power pillar, communications pillar and chambers:
- a) A single 100mm orange duct run shall be provided from the power pillar into the controller NAL base;
- b) A single 100mm orange duct run shall be provided from the communications pillar into the controller NAL base;
- c) Between the controller NAL base and chamber CH1, 8 x 100mm orange connecting ducts shall be installed;
- d) Between the controller NAL base and UPS, 1 x 100mm orange connecting ducts shall be installed;
- e) Between the UPS and power pillar, 1 x 100mm orange connecting ducts shall be installed;
- f) Between the controller NAL base and chamber CC1, 2 x 100mm orange connecting ducts shall be installed; and
- g) Between the MEC and chamber CC4, 4 x 100mm orange connecting ducts shall be installed.

4 All traffic signal equipment shall be supplied in accordance with KCC traffic signal systems general specification and all works shall be in accordance with relevant KCC standard details including KCC-HTW-400-02 (pedestrian guardrail), KCC-HTW-500-024 (junction Box Type 2), KCC-HTW-500-026 (Junction Pit Type 2), KCC-HTW-500-027 (duct in footway), KCC-HTW-500-028 (duct in carriageway), KCC-HTW-1200-012 (feeder pillars) and KCC-HTW-1200-13 (retention socket).

CHAMBER SCHEDULE

Chamber Reference	KCC Chamber Type: Junction Pit Type 2 600mm x 600mm	KCC Chamber Type: Junction Box Type 2 450mm x 300mm	Depth of deepest duct (mm)	Comments
CC1		Yes	350	Adjacent to controller
CC2		Yes	350	
CC3		Yes	350	Access to camera CC2 via appropriate conduit on tunnel wall.
CC4		Yes	350	Adjacent to the MEC
CH1	Yes		750	Adjacent to controller
CH2		Yes	350	
CH3		Yes	350	
CH4		Yes	350	
CH5	Yes		750	
CH6		Yes	350	
CH7		Yes	350	
CH8	Yes		750	
CH9	Yes		750	
CH10		Yes	350	
CH11	Yes		750	
CH12	Yes		750	
CH13		Yes	350	
CH14	Yes		750	
CH15	Yes		750	
CH16	Yes		750	
CH17	Yes		750	
CH18	Yes		750	

Notes:
1. Depth of the deepest duct is to the top of the duct;



DUCTING KEY:

- Proposed NAL socket (RS115DF)
- Pole Number
- n — Proposed 100mm orange traffic signal duct, number of ducts as shown
- Probably single flexible 50mm orange traffic signal duct
- Junction Box Type 2 - 450mm x 300mm Chamber
- Junction Pit Type 2 - 600mm x 600mm Chamber
- CH11 — Chamber Reference for chambers used for traffic signal cables
- CH1 — Chamber Reference for chambers used for CCTV power and other cabling
- Bow Tie loop and tails
- Unidirectional chevron loop and tails
- Controller on NAL base
- UPS
- M — Miscellanious equipment cabinet (MEC) on NAL base.
- Hardstanding Area
- Maintenance vehicleparking bay
- Power Pillar
- Communications Pillar

RESIDUAL HAZARD	SUGGESTED CONTROL MEASURE
SIGNIFICANT RESIDUAL HAZARDS	

NOTE: The above hazards do not include every hazard or assumption, but identify significant residual construction hazards that are not likely to be obvious to a competent contractor and those that could be difficult to manage effectively. Refer also to the designer's risk documentation.

DO NOT SCALE FROM THIS DRAWING

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
3. THIS DRAWING CONTAINS THE FOLLOWING REFERENCES:
OS_TQ5873
JG18198 Topo 3D 01-02 RevD
BRT-TG-XX-ZZ-M2-HI-1202
BRT-TG-XX-ZZ-M2-GE-0601
BRT-TG-XX-ZZ-M2-HI-1101
BRT-TG-XX-ZZ-M2-TU-7105

Received 3 December 2024
Planning Applications Group

REV.	BY	CHK'D	APP'D	DATE	DESCRIPTION
P05	AMG	JR	JR	01/12/21	EASTERN TUNNEL HIGHWAY LAYOUT AMENDED
P04	AMG	JR	JR	22/11/21	DUCTS / BOXES MOVED TO AVOID CLASHES
P03	MM	IR	IR	04/08/21	ADDITIONAL FEEDBACK INCLUDED
P02	MS	LD	MJH	28/07/21	UPDATED TO REFLECT CHECKERS COMMENTS

CODE	DRAWING STATUS
S3	FOR REVIEW/COMMENT

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KENT COUNTY COUNCIL

BEAN TUNNEL LIMETREE AVENUE

HIGHWAYS TRAFFIC SIGNAL DUCTS PLAN LAYOUT

DRAWING. No.
BRT-TG-XX-ZZ-DR-TS-1252

DRAWN : MM	DESIGNED : IR	REVISION
SCALE : 1:250	ORIGINAL SIZE : A1	P05